

I. Amendments to the Claims

This listing of claims replaces without prejudice all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A system for allocating a power budget between at least two different communication services channels, one of which comprises a voice channel and the other one of which comprises a data channel, comprising:

at least ~~one~~ two receiving-stations being, in the aggregate, ~~operable~~ configured to receive all of the at least two different communication ~~services~~ channels; and,

a transmitting-station for transmitting each of ~~said the~~ services channels to at least one of ~~said the~~ receiving-stations using a portion of ~~said the~~ power budget, ~~said the~~ portions being allocated by said transmitting-station ~~according to an allocation criteria~~ such that ~~said the~~ power budget is substantially consumed.

2. (Currently Amended) The system according to claim 1, wherein ~~said the~~ transmitting-station comprises ~~is~~ a base station and ~~said the~~ receiving-stations ~~is a~~ respectively comprise subscriber stations.

3. (Currently Amended) The system according to claim 2, ~~having a plurality of~~ subscriber stations and wherein one of ~~said the~~ subscriber stations is configured ~~operable~~ to

receive ~~one of said~~ the one services channel, and another of ~~said the~~ subscriber stations is configured operable to receive the other a-second one of said the services channels.

4. (Currently Amended) The system according to claim 2, ~~having one subscriber station and~~ wherein one of said the subscriber stations is configured operable to receive ~~said the~~ at least two communication ~~services~~ channels.

5. (Currently Amended) The system according to claim 1, wherein ~~said the~~ transmitting-station stations is a comprises a subscriber station, and wherein ~~and said the~~ receiving-station comprises is a base station.

Claims 6-7 (Cancelled) .

8. (Currently Amended) The system according to ~~claim 6~~ claim 1, wherein said transmitting-station is configured such that ~~said allocation criteria includes~~ the allocation of power to ~~said the~~ voice service channel for a subsequent time period is based on the actual power consumed by ~~said the~~ voice service channel for a known time period.

9. (Currently Amended) The system according to claim 8, wherein ~~said the~~ known time period comprises is a current time period and ~~said the~~ subsequent time period immediately follows ~~said the~~ current time period.

10. (Currently Amended) The system according to ~~claims 8 and 9~~ claim 9, wherein ~~said~~ each of the time periods ~~is~~ are from about one millisecond to about forty milliseconds.

11. (Currently Amended) The system according to claim 10, wherein ~~said~~ each of the time periods ~~is~~ are from about two milliseconds to about thirty milliseconds.

12. (Currently Amended) The system according to claim 10, wherein ~~said~~ each of the time periods ~~is~~ are from about five milliseconds to about twenty milliseconds.

13. (Currently Amended) The system according to claim 10, wherein ~~said~~ each of the time periods ~~is~~ are from about seven milliseconds to about fifteen milliseconds.

14. (Currently Amended) The system according to claim 10, wherein ~~said~~ each of the time periods ~~is~~ are about ten milliseconds.

15. (Currently Amended) The system according to claim 8, wherein said transmitting-station is configured such that ~~said allocation criteria includes allocating~~ a remaining portion of ~~said~~ the power budget is allocated to a data ~~service~~ channel for a subsequent time period based on the amount of power that was not allocated to ~~said~~ the voice services channel.

16. (Currently Amended) The system according to claim 1, wherein ~~said allocation criteria includes, for one of said at least one communication services for a future time~~

~~period, allocating an equivalent to an~~ the amount of power that was actually consumed by one of
said the at least one communication services channels during a known time period is allocated by
said transmitting-station to that communication channel for a future time period and ~~allocating a~~
the remainder of said the power budget is allocated by said transmitting-station to a remainder of
another of said the communication services channels.

17. (Currently Amended) A method of allocating a power budget between
communication services channels, at least one of which is a voice channel, comprising the steps
of:

predicting power requirements for the at least one voice communication service
channel during a future time period; and [,]

allocating a portion of ~~said the~~ power budget to each of ~~said the other~~
communication services channels based on ~~said the~~ prediction.

18. (Currently Amended) The method according to claim ~~16~~ 17, wherein ~~said the~~
predicting prediction step includes determining actual power consumption for one of ~~said the~~ at
least one voice communication services channel during a current time period, and ~~said wherein~~
the allocating step includes allocating a portion equal to ~~said the~~ actual power consumption to
~~said the one of said at least one voice communication services channel~~ and allocating a remaining
portion to a remainder of ~~said the at least one communication services channels.~~

19. (Currently Amended) A method of allocating a power budget between
communication services channels, at least one of which comprises a voice channel, comprising

the steps of:

- (i) for an initial time period, allocating ~~said the~~ power budget between a plurality of ~~the~~ communication ~~services~~ channels over a wireless link according to a predefined allocation;
- (ii) for a current time period, establishing ~~said the~~ communication ~~services~~ channels according to ~~said the~~ allocation;
- (iii) for ~~said the~~ current time period, determining actual power consumption of ~~the~~ at least one of ~~said services~~ voice channel;
- (iv) for a future time period, allocating at least an equivalent amount of power as ~~said the~~ actual power consumption determined at step (iii) to ~~said the~~ at least one of ~~said services~~ voice channel;
- (v) for ~~said the~~ future time period, allocating a remaining amount of power to a remainder of ~~said the~~ ~~services~~ channels, ~~said the~~ remaining amount being an amount that was unallocated to ~~said the~~ at least one of ~~said services~~ voice channel; and,
- (vi) repeating steps ~~(ii)~~ (iii) – (v) for ~~said the~~ future time periods.

20. (Currently Amended) A system for allocating a power budget between at least two ~~services~~ channels comprising:

- a first subscriber station operable to receive at least a voice ~~service~~ channel;
- an additional subscriber station operable to receive at least a data ~~service~~ channel;
- a base station for transmitting ~~said the~~ voice ~~service~~ channel to ~~said the~~ first subscriber-station using a portion of ~~said the~~ power budget and ~~while~~ transmitting ~~said the~~ data ~~service~~ channel to ~~said the~~ additional subscriber station using a remainder of ~~said the~~ power budget, ~~said the~~ portion being allocated by said base station based on an actual amount of power

consumed during a previous time period.

21. (Currently Amended) A subscriber station comprising:

a receiver for a signaling channel, a voice channel and a data channel;

a processor ~~processing means~~ connected to ~~said~~ the receiver and configured to
adjust ~~for adjusting~~ demodulation and forward error correction rates of packets received over ~~said~~
the voice channel and ~~said~~ the data channel during successive time periods, ~~said~~ the adjusting
based on instructions received over ~~said~~ the signaling channel that correspond to power
allocations made by a base station transmitting ~~said~~ the channels.

22. (Currently Amended) A base station comprising:

a gateway for receiving voice packets and data packets from a network;

a processing unit for allocating a portion of a power budget for transmitting voice
packets during a current time period based on actual power consumed for transmitting voice
packets during a previous time period, ~~said~~ the processing unit being configured to allocate ~~for~~
~~further allocating~~ a remainder of ~~said~~ the power budget for transmitting data packets during ~~said~~
the current time period; and [,]

a transmitter for transmitting ~~said~~ the packets to intended subscriber stations via a
downlink according to ~~said~~ the allocations.